

## METHODS AND SYSTEMS FOR ENCRYPTING AND CORRELATING DATA

### Abstract of the Disclosure

The present invention provides methods and systems by which data is encrypted securely, stored within a host server, and retrieved upon request from a client system.

5 In one embodiment, a first user, such as an architect, enters information including manufacturer model part numbers. A request is then sent to the host server to encode the manufacturer's model part numbers. The host server encodes and saves the encoded model part numbers in a project information database. A second user, such as a  
10 manufacturer, retrieves the project information by entering the encoded model part numbers and requesting the host server to decode the encoded part numbers. The host server then maps the encoded part numbers to the manufacturer part numbers and transmits the project information to the manufacturer.

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